

IN THE ABSTRACT

For the purpose of efficiently correcting a quadratic term component of a static magnetic field, when an inhomogeneity error of a static magnetic field generated by a pair of magnets (102) supported by yokes (202, 204) so that the magnets face each other across a space is to be corrected, a quadratic term component of the static magnetic field is corrected by a quadratic term component of a magnetic field generated by a pair of circular loop coils (104), and a zero-th order term component of the magnetic field from the pair of circular loop coils is compensated by a zero-th order term component of a magnetic field generated by coils (114) wound around the yokes (204).